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Industrial Scanners

Granit 1910i1D

Upgradeable Industrial-Grade Area-Imaging Scanner

The Granit™ 1910i1D industrial-grade area-imaging scanner is designed to withstand the demands of harsh working environments. Designed for real-world reliability, the IP65-rated Granit 1910i1D scanner is built to survive 5,000 1 m (3.3 ft) tumbles and 50 drops to concrete from 2 m (6.5 ft), even at -30°C (-22°F). As a result, businesses can expect to experience minimal device downtime and a lower overall cost of ownership.

The Granit 1910i1D scanner offers omnidirectional scanning of 1D codes for improved efficiency, along with the ability to affordably upgrade the device to 2D scanning as data capture needs evolve.

Powered by sixth-generation Honeywell Adaptus™ imaging technology and its revolutionary decoding architecture, the Granit 1910i1D scanner provides users with the same exceptional barcode reading performance as the best-in-class Xenon™ series area-imaging scanners. From poorly printed and damaged codes to low-density linear codes, the Granit 1910i1D scanner is built to read virtually all 1D and PDF417 barcodes with ease – supporting maximum operator productivity with its enhanced illumination, crisp laser aiming, and extended depth of field.

Additionally, loud machinery and poor lighting conditions often pose a challenge for operators who rely on scanner feedback as confirmation of "good reads." The Granit 1910i1D scanner meets this challenge with bright LEDs, enhanced beeper volume, and vibrating feedback response – ensuring rapid decode feedback and eliminating redundant scanning.



The Granit 1910i1D scanner delivers industrial durability and exceptional performance for demanding, arm's length scanning of 1D and PDF417 barcodes.

Created specifically for applications in which high-performance scanning is expected and durability is highly valued, the Granit 1910i1D scanner is the optimal solution for businesses operating in unpredictable conditions.

FEATURES & BENEFITS

The custom-built IP65-rated housing is able to withstand 5,000 1 m (3.3 ft) tumbles and 50 drops from 2 m (6.5 ft) at -30°C (-22°F), reducing service costs and increasing device uptime.

Adaptus 6.0 imaging technology provides aggressive barcode reading and unrivaled accuracy, while the scanner feedback is enhanced for use in extreme industrial environments.

The TotalFreedom™ area-imaging development platform enables the loading and linking of multiple applications to enhance image decoding, data formatting, and image processing – eliminating the need for host system modifications.

With outstanding performance on poor-quality and damaged barcodes, the scanner helps users maintain productivity by providing a worry-free scanning solution that minimizes manual entry.

Scans out-of-reach items with ease and allows users to scan 20 mil linear codes out to 75 cm (29.5 in).

Granit 1910i1D Technical Specifications

MECHANICAL

Dimensions (L x W x H): 133 mm x 75 mm x 195 mm (5.2 in x 2.9 in x 7.6 in)
Weight: 300 g (10.6 oz)

ELECTRICAL

Input Voltage: 4.0V DC to 5.5V DC
Operating Power: 2.35 W (470 mA @ 5V DC)
Standby Power: 0.5 W (100 mA @ 5V DC)
Host System Interfaces: USB, Keyboard Wedge, RS-232 TTL

ENVIRONMENTAL

Operating Temperature*: -30°C to 50°C (-22°F to 122°F)
Storage Temperature: -40°C to 70°C (-40°F to 158°F)
Humidity: Up to 95% relative humidity, non-condensing
Drop: Designed to withstand 50 2 m (6.5 ft) drops to concrete at -30°C (-22°F)
Tumble: 5,000 1 m (3.3 ft) tumbles
Environmental Sealing: IP65
Light Levels: 0 to 100,000 lux (9,290 foot-candles)
ESD: ±20 kV air discharge, ±8 kV contact discharge

SCAN PERFORMANCE

Scan Pattern: Area Imager (838 x 640 pixel array)
Motion Tolerance: Up to 610 cm/s (240 in/s) at 16.5 cm (6.5 in) and 381 cm/s (150 in/s) at 25 cm (10 in) for 13 mil UPC
Scan Angle: ER Focus
- **Horizontal:** 31.6°
- **Vertical:** 24.4°

Symbol Contrast: 20% minimum reflectance difference
Pitch, Skew: 45°, 65°
Warranty: Three-year factory warranty

* With industrial-grade cable ordered separately.

TYPICAL PERFORMANCE*	EXTENDED RANGE (ER)
NARROW WIDTH	
7.5 mil Code 39	48 mm – 310 mm (1.9 in – 12.2 in)
13 mil UPC	15 mm – 543 mm (0.6 in – 21.4 in)
20 mil Code 39	15 mm – 749 mm (0.6 in – 29.5 in)
6.7 mil PDF417	69 mm – 226 mm (2.7 in – 8.9 in)
Resolution 1D Code 39	5 mil (0.127 mm)

* Performance may be impacted by barcode quality and environmental conditions.

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance.

For a complete listing of all supported barcode symbologies, please visit www.honeywellaidc.com/symbologies.

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For more information
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